

FORM PTO-1390
(REV 12-2001)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTORNEY DOCKET NO.
60282.00232TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

DATE: January 13, 2005

U.S. APPLN. NO.
(IF KNOWN, SEE 37 C.F.R. 1.5)

10/521155

INTERNATIONAL APPLICATION NO.
PCT/IB2002/002782INTERNATIONAL FILING DATE
16 July 2002

PRIORITY DATE CLAIMED

TITLE OF INVENTION: OPTIMIZED ROUTING BETWEEN COMMUNICATION NETWORKS

APPLICANT(S) FOR DO/EO/US: Markku TUOHINO and Ilkka WESTMAN

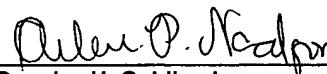
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
(THE BASIC FILING FEE IS ATTACHED)
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. This express request to begin national examination procedures [35 U.S.C. 371(f)] at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. The US has been elected (Article 31).
5. A copy of the International Application as filed [35 U.S.C. 371(c)(2)]
 - a. is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. has been transmitted by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed [35 U.S.C. 371(c)(2)]
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)]
 - a. are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. have been transmitted by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)].
9. An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].

Items 11 - 19 below concern other document(s) or information included:

11. An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98; Form PTO-1449 and 3 references
12. An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
13. A **FIRST** preliminary amendment.
 A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. A substitute specification.
15. A change of power of attorney and/or address letter.
16. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
17. A second copy of the published international application under 35 U.S.C. 154(d)(4).
18. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
19. Other items or information: CHECK NO. 012418; Formal Drawings (Figs. 1-15; 15 sheets); PCT Request; Written Opinion; Response to Written Opinion dated June 21, 2004; Form PCT/IPEA/416; Form PCT/IPEA/409; 2 Forms PCT/RO/199; Form PCT/IB/301; 2 Forms PCT/IB/306; Form PCT/IB/308; Form PCT/IB/332; International Search Report

U.S. APPLN. NO. (IF KNOWN, SEE 37 C.F.R. 1.50) 10/521155		INTERNATIONAL APPLICATION NO. PCT/IB2002/002782		ATTORNEY DOCKET NO. 60282.00232	
				DATE: January 13, 2005	
20. <input checked="" type="checkbox"/> The following fees are submitted:				CALCULATIONS	PTO USE ONLY
Basic National Stage Fee \$300.00 <input checked="" type="checkbox"/> National Stage Search Fee..... \$500.00 <input checked="" type="checkbox"/> National Stage Examination Fee..... \$200.00					
ENTER APPROPRIATE BASIC FEE AMOUNT =				\$ 1,000.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date [37 C.F.R. 1.492(e)].				\$	
Claims	Number Filed	Number Extra	Rate		
Total Claims	41 - 20 =	21	X \$ 50.00	\$ 1,050.00	
Independent Claims	4 - 3 =	1	X \$ 200.00	\$ 200.00	
Multiple dependent claim(s) (if applicable)				+ \$360.00	\$
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		X \$250.00	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 2,250.00	
Reduction by one-half for filing by small entity, if applicable. Applicant claims small entity status. See 37 CFR 1.27.				\$	
SUBTOTAL =				\$ 2,250.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date [37 C.F.R. 1.492(f)]. +				\$	
TOTAL NATIONAL FEE =				\$ 2,250.00	
Fee for recording the enclosed assignment [37 C.F.R. 1.21(h)]. The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property +				\$ 40.00	
TOTAL FEES ENCLOSED =				\$ 2,290.00	
				Amount to be refunded	\$
				Charged	\$

U.S. APPLN. NO. (IF KNOWN, SEE 37 C.F.R. 1.50) 10/521155	INTERNATIONAL APPLICATION NO. PCT/IB2002/002782	ATTORNEY DOCKET NO. 60282.00232
DATE: January 13, 2005		
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$2,290.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge Counsel's Deposit Account No. 50-2222 in the amount of \$_____ to cover the above fee. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Counsel's Deposit Account No. 50-2222.</p>		
<p>NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive [37 C.F.R. 1.137(a) or (b)] must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Customer Number 32294 SQUIRE, SANDERS & DEMPSEY LLP 8000 Towers Crescent Drive 14th Floor Tysons Corner, Virginia 22182-2700 Telephone: 703-720-7800 Fax: 703-720-7802</p>		
 <hr/> <p>Douglas H. Goldhush Reg. No. 33,125</p> <p style="text-align: right;">43828</p>		

DT07 Rec'd PCT/PTO 13 JAN 2005

MAIL STOP: PCT	Trademark <input type="checkbox"/>	Docket No. <u>60282.00232</u>
Patent <input checked="" type="checkbox"/>	New Application <u>10/521155</u>	Filed <u>January 13, 2005</u>
Serial No.		
Applicant(s) <u>Markku TUOHINO et al.</u>		
Papers filed herewith on <u>January 13, 2005</u>		
<input checked="" type="checkbox"/> Fees \$ <u>2,290.00; Chk#012418</u> <input checked="" type="checkbox"/> Assignment w/ PTO-1595 <input checked="" type="checkbox"/> New Application (69 Pages) <input checked="" type="checkbox"/> Declaration <input checked="" type="checkbox"/> Preliminary Amendment (12 Pages) <input checked="" type="checkbox"/> Notice of Appeal <input checked="" type="checkbox"/> IDS/PTO-1449 (3 Refs.) <input checked="" type="checkbox"/> Other PTO-1390 Transmittal; PCT Request; 2 Forms PCT/RO/199; Written Opinion; Form PCT/IPEA/416; Form PCT/IPEA/409; PCT/IB/301; Form PCT/IB/308; Form PCT/IB/332 Response to Written Opinion dated 06/21/04; International Search Report; 2 Forms PCT/IB/306		

Receipt is hereby acknowledged of the papers filed as indicated in connection with the above-identified case. **EARLY NOTIFICATION OF SERIAL NUMBER**
DHG:kbd
Due Date: January 16, 2005
COMMISSIONER OF PATENTS